

35mm
#525
& 526
in 1987

Mill Brook Beaver Meadow

260-57

with Eric Rosen
9/21/06

See Spada Thesis
page 177

See p. 260-17 ff for 5/17/87 notes with Chris Carey

Species list

Meadow is much unchanged since 1987.

- Strug
- Sgram
- S lat at SW end
- Eup mac
- Eup perf (some fls. purple!)
- Eup urt (SW end)
- Aster puniceus
- Aster pren } SW end
- Aster div }
- IMP
- Spiraea tomentata (lat. lvs. brown tomped)
- Fragaria (SW end)
- Galium trifidum
- Hydrocotyle
- Polyg. sag.
- Samb. Can infruct
- Callitriche
- Thalic
- Epilobium (What sp.?)
- Rumex crispus } at drier & highest & parched
- Angelica } SW end
- RS, RA } Shaded
- LAP } SW end
- B + NEM repro
- 1 Fir sapling

- Cxcrin
- Cx lurida(?)
- Glyceria grandis
- G. nervata
- Scirpus cyp.
- Calamagrostis (NW & N) end with hummocks hard to walk on.
- Sphagnum in small patcher near Black Ash, only 6 to 8" deep in probes.
- CIMN
- Onoclea
- Donstata } NE end near
- Clematis } arlet

N to NE end tree
repro. moving out into meadow about 50' from edge:
AMEL BC
PIN ILEX MAINT
RM VB thickets
-B

Behind about them a mature NEM grove.

At the arlet,

Stellaria araratica,

now

araratica, same European weed as at 2810,

Lycopod & Scutellaria latiflora near firs.

FIR is mainly along W edge in 2 groves plus to 2" scat. individuals. Some repro., but not abun. Some dead, some alive. NEM similar

Interpretation
Perhaps the most important discovery this day is that Solidago & Eupatorium & Aster Shade-INTOLERANT spp. In these beaver meadows, seeps & flood plains are the RULE, not the exception. In pre-settlement times, these plants were confined mainly to these sites. After clearing for agriculture, they spread to roadsides & pastures.

Scattered PB & B, EM, NEM in wet meadow + 7" & 12" White Ash and a BLACK Ash. } SW end

Beaver meadow ^{is} too shallow to sample for peat (260-58)

Note about 2810 + S. ngara

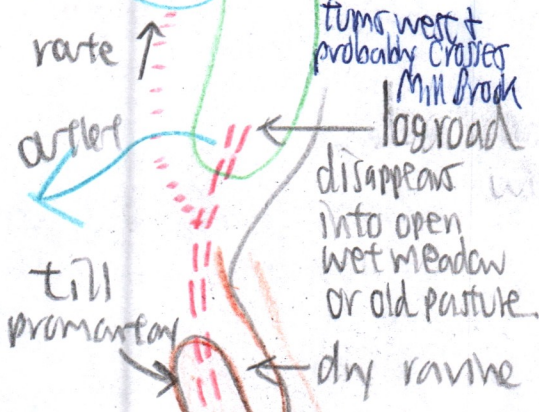
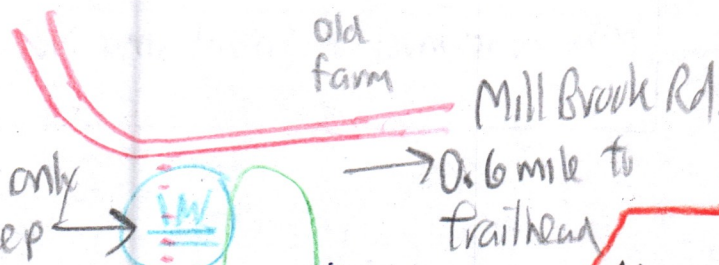
No ngara was observed at 2810 until on return from this 9/21/06 field trip. It had seeded in AFTER Adam Johnson buried the old shop in March 2006. In area adjacent to remaining old shop stone foundation. S. canadensis is the dominant arand 2810.

See p. 260-59 at 7/31/07

See p 260-59

prob. a fern glade well-drained open area in distance; may be another meadow? NO

KEM wet area seen from road is only a few inches deep NO FIR



Mill Brook

ravine in till 16 to 25+ deep

TREES ADVANCING



HEMLOCK on flat till plain
base of slope & edge of KEM grove

to trailhead

shallow 2880' col

CALAMAGROSTIS area

Edge of beaver meadow

FIR + HEMLOCK area

BLACK + WHITE ASHES + Sphagnum patches

west brook has a cobbly bottom

boulder arcer

sand silt stream bottoms

several brooks

log road

Thicket of B. spruce & equally dense Ilex montana. Stumps only at either end

3000' bend

to Balsam Lake Mtn.

rich SUG bottomland cove forest, 20'.
brook draining Boss #301 & 355

but middle has no old trees except a few hemlocks